

Abstract

The invention is a conveying wire (2) with disc-shaped conveying members (8) for use in endless tube conveyor systems. The wire (3) consists of a number of twisted strands (4) that each are made of thin threads or fibers, and including an outer jacket (6) to which the conveying members (8) are fastened directly by injection moulding, where the outer jacket (6) consists of a polymer with a melting temperature which is lower than the melting temperature of the plastic material from which the conveying members are injection moulded. The wire (3) is, for example, made as a balanced (torsionally neutral) wire consisting of at least three strands that each are made of very thin synthetic fibers which are individually surface treated with a polymer, providing great bending wearability to the fibers and good adhesion to the outer jacket (6) which consists of a polymer. The fact that the melting temperature of the disc material is higher than the melting temperature of jacket material produces a local softening of the outer jacket locally at the conveying members, so that an almost optimally good connection between the conveying members and the wire via the outer jacket is established.